

SCORE Search Results Details for Application 10687035 and Search Result 20080310_104727_us-10-687-035-34.ra1.

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This page gives you Search Results detail for the Application 10687035 and Search Result 20080310_104727_us-10-687-035-34.ra1.

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OM protein - protein search, using sw model

Run on: March 10, 2008, 14:04:05 ; Search time 39 Seconds
(without alignments)
557.713 Million cell updates/sec

Title: US-10-687-035-34
Perfect score: 758
Sequence: 1 MGWSWIFLFLLSGTAGVHSE.....FGSGYYFDYWGQGTTTLTVSS 139

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1048630 seqs, 157249835 residues

Total number of hits satisfying chosen parameters: 1048630

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /ABSS/Data/CRF/ptodata/2/iaa/5_COMB.pep:*
2: /ABSS/Data/CRF/ptodata/2/iaa/6_COMB.pep:*
3: /ABSS/Data/CRF/ptodata/2/iaa/7_COMB.pep:*
4: /ABSS/Data/CRF/ptodata/2/iaa/H_COMB.pep:*
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7: /ABSS/Data/CRF/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	625	82.5	135	1	US-07-634-278-69	Sequence 69, Appl
2	625	82.5	135	1	US-08-477-728-69	Sequence 69, Appl
3	625	82.5	135	1	US-08-474-040-69	Sequence 69, Appl
4	625	82.5	135	1	US-08-487-200-69	Sequence 69, Appl
5	625	82.5	135	2	US-08-484-537-69	Sequence 69, Appl
6	625	82.5	135	3	US-09-718-998-69	Sequence 69, Appl
7	616	81.3	137	2	US-09-647-468-153	Sequence 153, App
8	616	81.3	137	2	US-09-647-468-154	Sequence 154, App
9	613.5	80.9	132	2	US-08-434-000A-14	Sequence 14, Appl
10	613.5	80.9	132	2	US-09-312-157-14	Sequence 14, Appl
11	613.5	80.9	132	2	US-09-717-888-14	Sequence 14, Appl
12	613.5	80.9	132	3	US-10-781-989-14	Sequence 14, Appl
13	604	79.7	139	1	US-08-116-778E-1	Sequence 1, Appli
14	604	79.7	139	1	US-08-438-562-1	Sequence 1, Appli
15	604	79.7	139	1	US-08-483-528B-91	Sequence 91, Appl
16	586	77.3	137	1	US-08-116-778E-3	Sequence 3, Appli
17	586	77.3	137	1	US-08-438-562-3	Sequence 3, Appli
18	586	77.3	137	1	US-08-483-528B-93	Sequence 93, Appl
19	578.5	76.3	138	3	US-10-774-076A-9	Sequence 9, Appli
20	568	74.9	137	2	US-09-647-468-158	Sequence 158, App
21	567	74.8	135	1	US-08-137-117D-27	Sequence 27, Appl
22	567	74.8	135	1	US-08-436-717-27	Sequence 27, Appl
23	566.5	74.7	140	5	PCT-US93-11612-4	Sequence 4, Appli
24	565.5	74.6	138	1	US-07-634-278-85	Sequence 85, Appl
25	565.5	74.6	138	1	US-08-477-728-85	Sequence 85, Appl
26	565.5	74.6	138	1	US-08-474-040-85	Sequence 85, Appl
27	565.5	74.6	138	1	US-08-487-200-85	Sequence 85, Appl
28	565.5	74.6	138	2	US-08-484-537-85	Sequence 85, Appl
29	565.5	74.6	138	3	US-09-718-998-85	Sequence 85, Appl
30	564	74.4	143	2	US-09-301-593-26	Sequence 26, Appl
31	564	74.4	472	2	US-09-301-593-30	Sequence 30, Appl
32	560	73.9	233	2	US-08-444-644-33	Sequence 33, Appl
33	560	73.9	233	2	US-08-232-246A-33	Sequence 33, Appl
34	560	73.9	235	2	US-08-444-644-19	Sequence 19, Appl
35	560	73.9	235	2	US-08-444-644-28	Sequence 28, Appl
36	560	73.9	235	2	US-08-444-644-42	Sequence 42, Appl
37	560	73.9	235	2	US-08-232-246A-19	Sequence 19, Appl
38	560	73.9	235	2	US-08-232-246A-28	Sequence 28, Appl
39	560	73.9	235	2	US-08-232-246A-42	Sequence 42, Appl
40	559	73.7	137	2	US-09-647-468-157	Sequence 157, App

41	556.5	73.4	140	2	US-08-579-378A-4	Sequence 4, Appli
42	553	73.0	137	2	US-08-444-644-17	Sequence 17, Appl
43	553	73.0	137	2	US-08-232-246A-17	Sequence 17, Appl
44	550	72.6	152	3	US-10-642-118A-2	Sequence 2, Appli
45	545.5	72.0	142	1	US-08-678-194-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1

US-07-634-278-69

; Sequence 69, Application US/07634278

; Patent No. 5530101

; GENERAL INFORMATION:

; APPLICANT: QUEEN, Cary L.

; APPLICANT: CO, Man Sung

; APPLICANT: SCHNEIDER, William P.

; APPLICANT: LANDOLFI, Nicholas F.

; APPLICANT: COELINGH, Kathleen L.

; APPLICANT: SELICK, Harold E.

; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS

; NUMBER OF SEQUENCES: 113

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend Khourie and Crew

; STREET: 379 Lytton Avenue

; CITY: Palo Alto

; STATE: California

; COUNTRY: US

; ZIP: 94301

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/634,278

; FILING DATE: 19-DEC-1990

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/590,274

; FILING DATE: 28-SEP-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/310,252

; FILING DATE: 13-FEB-1989

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/290,975

; FILING DATE: 28-DEC-1988

; ATTORNEY/AGENT INFORMATION:

Query Match 82.5%; Score 625; DB 1; Length 135;
Best Local Similarity 84.9%; Pred. No. 3.7e-57;
Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

Qy	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHWVKQSH	60
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Db	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHWVKQSH	60
Qy	61	GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF	120
		: : :	
Db	61	GKSLEWIGYIYPYNGGTGYNQKFKSKATLTVDNSSSTAYMDVRSLTSEDSAVYYCAR---	117
Qy	121	GSGYYFDYWGGTTLTVSS	139
		::	
Db	118	-GRPAMDYWGQGTSVTVSS	135

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; Sequence 69, Application US/08477728
; Patent No. 5585089
; GENERAL INFORMATION:
; APPLICANT: QUEEN, Cary L.
; APPLICANT: SCHNEIDER, William P.
; APPLICANT: SELICK, Harold E.
; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: Palo Alto
; STATE: California
; COUNTRY: US
; ZIP: 94111
; COMPUTER READABLE FORM:
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Query Match 82.5%; Score 625; DB 1; Length 135;
Best Local Similarity 84.9%; Pred. No. 3.7e-57;
Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

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Qy      1  MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHWVKQSH  60
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Db      1  MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHWVKQSH  60

Qy     61  GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF  120
      || |||
Db     61  GKSLEWIGYIYPYNGGTGYNQKFKSKATLTVDNSSSTAYMDVRSLTSEDSAVYYCAR---  117

Qy    121  GSGYYFDYWGGTTTLTVSS  139
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Db 118 -GRPAMDYWGQGTSVTVSS 135

RESULT 3

US-08-474-040-69

; Sequence 69, Application US/08474040

; Patent No. 5693761

; GENERAL INFORMATION:

; APPLICANT: QUEEN, Cary L.

; APPLICANT: CO, Man Sung

; APPLICANT: SCHNEIDER, William P.

; APPLICANT: LANDOLFI, Nicholas F.

; APPLICANT: COELINGH, Kathleen L.

; APPLICANT: SELICK, Harold E.

; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS

; NUMBER OF SEQUENCES: 113

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend Khourie and Crew

; STREET: 379 Lytton Avenue

; CITY: Palo Alto

; STATE: California

; COUNTRY: US

; ZIP: 94301

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/474,040

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/634,278

; FILING DATE: 19-DEC-1990

; APPLICATION NUMBER: US 07/590,274

; FILING DATE: 28-SEP-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/310,252

; FILING DATE: 13-FEB-1989

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/290,975

; FILING DATE: 28-DEC-1988

; ATTORNEY/AGENT INFORMATION:

; NAME: Smith, William M

; REGISTRATION NUMBER: 30,223

; REFERENCE/DOCKET NUMBER: 11823-002600

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 326-2400

Query Match 82.5%; Score 625; DB 1; Length 135;
Best Local Similarity 84.9%; Pred. No. 3.7e-57;
Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

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Qy      1  MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHWVKQSH  60
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Db      1  MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHWVKQSH  60

Qy     61  GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF  120
      || ||||||||||| : ||| ||||| |||||:||||:|||||
Db     61  GKSLEWIGYIYPYNGGTGYNQKFKSKATLTVDNSSSTAYMDVRSLTSEDSAVYYCAR---  117

Qy    121  GSGYYFDYWGGQTTLTVSS  139
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Db    118  -GRPAMDYWGGTSTVTVSS  135

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US-08-487-200-69

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; Sequence 69, Application US/08487200
; Patent No. 5693762
; GENERAL INFORMATION:
; APPLICANT: QUEEN, Cary L.
; APPLICANT: CO, Man Sung
; APPLICANT: SCHNEIDER, William P.
; APPLICANT: LANDOLFI, Nicholas F.
; APPLICANT: COELINGH, Kathleen L.
; APPLICANT: SELICK, Harold E.
; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: 379 Lytton Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: US
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,200
; FILING DATE: 7-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/634,278
; FILING DATE: 19-DEC-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/590,274
; FILING DATE: 28-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/310,252
; FILING DATE: 13-FEB-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/290,975
; FILING DATE: 28-DEC-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-002610
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-487-200-69

Query Match		82.5%;	Score 625;	DB 1;	Length 135;
Best Local Similarity		84.9%;	Pred. No. 3.7e-57;		
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Db	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYN	MHWVKQSH	60	
Qy	61	GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDS	AVYYCARWDF	120	
		: : :			
Db	61	GKSLEWIGYIYPYNGGTGYNQFKSKATLTVDNSSSTAYMDVRS	LTSEDSAVYYCAR---	117	
Qy	121	GSGYFDYWGQGTTTLTVSS	139		
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Db	118	-GRPAMDYWGQGTSTVTVSS	135		

RESULT 5

US-08-484-537-69

; Sequence 69, Application US/08484537

; Patent No. 6180370

; GENERAL INFORMATION:

; APPLICANT: QUEEN, Cary L.

; APPLICANT: CO, Man Sung

; APPLICANT: SCHNEIDER, William P.

; APPLICANT: LANDOLFI, Nicholas F.

; APPLICANT: COELINGH, Kathleen L.

; APPLICANT: SELICK, Harold E.

; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS

; NUMBER OF SEQUENCES: 113

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend Khourie and Crew

; STREET: 379 Lytton Avenue

; CITY: Palo Alto

; STATE: California

; COUNTRY: US

; ZIP: 94301

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,537

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/07/634,278

; FILING DATE: 19-DEC-1990

; APPLICATION NUMBER: US 07/590,274

; FILING DATE: 28-SEP-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/310,252

; FILING DATE: 13-FEB-1989

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/290,975

; FILING DATE: 28-DEC-1988

; ATTORNEY/AGENT INFORMATION:

; NAME: Smith, William M

; REGISTRATION NUMBER: 30,223

; REFERENCE/DOCKET NUMBER: 11823-002600

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 326-2400

; TELEFAX: (415) 326-2422

; INFORMATION FOR SEQ ID NO: 69:

Query Match 82.5%; Score 625; DB 2; Length 135;
Best Local Similarity 84.9%; Pred. No. 3.7e-57;
Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

Qy	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIIHWVKQSH	60
Db	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHVVKQSH	60
Qy	61	GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF	120
		: : :	
Db	61	GKSLEWIGYIYPYNGGTGYNQKFKSKATLTVDNSSSTAYMDVRSLTSEDSAVYYCAR---	117
Qy	121	GSGYYFDYWGGTTTLTVSS	139
		:	
Db	118	-GRPAMDYWGOGTSVTVSS	135

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; Sequence 69, Application US/09718998
; Patent No. 7022500
; GENERAL INFORMATION:
; APPLICANT: Queen, Cary L.
; APPLICANT: Selick, Harold E.
; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
; FILE REFERENCE: 011823-002660US
; CURRENT APPLICATION NUMBER: US/09/718,998
; CURRENT FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: US 08/484,537
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 07/634,278
; PRIOR FILING DATE: 1990-12-19
; PRIOR APPLICATION NUMBER: US 07/590,274
; PRIOR FILING DATE: 1990-09-28
; PRIOR APPLICATION NUMBER: US 07/310,252
; PRIOR FILING DATE: 1989-02-13
; PRIOR APPLICATION NUMBER: US 07/290,975
; PRIOR FILING DATE: 1988-12-28
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69
; LENGTH: 135
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Query Match 82.5%; Score 625; DB 3; Length 135;
Best Local Similarity 84.9%; Pred. No. 3.7e-57;
Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

Qy	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNHWVKQSH	60
Db	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHWVKQSH	60
Qy	61	GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF	120
Db	61	GKSLEWIGYIYPYNGGTGYNQKFKSKATLTVDNSSSTAYMDVRSLTSEDSAVYYCAR---	117
Qy	121	GSGYYFDYWGGTTTLTVSS	139
Db	118	-GRPAMDYWGQGTSTVTVSS	135

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; Sequence 153, Application US/09647468
; Patent No. 6677436
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: ADACHI, HIDEKI
; APPLICANT: YABUTA, NAOHIRO
; TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND
; TITLE OF INVENTION: PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODY
; FILE REFERENCE: 053466/0289
; CURRENT APPLICATION NUMBER: US/09/647,468
; CURRENT FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: PCT/JP99/01768
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: JP 10-91850
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 153
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Amino acid
; OTHER INFORMATION: sequence coding for H chain V region of ant-TF
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; OTHER INFORMATION: mouse monoclonal antibody ATR-2
US-09-647-468-153

Query Match 81.3%; Score 616; DB 2; Length 137;
Best Local Similarity 82.7%; Pred. No. 3.3e-56;
Matches 115; Conservative 8; Mismatches 14; Indels 2; Gaps 1;

Qy 1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60
| |||||:|||||:|||||:|||||
Db 1 MEWSWIFLFLLSGTTGVHSEIQLQQSGPELVKPGASVKVSCASGYSFTDYNMYVVKQSH 60

Qy 61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
|| |||||: ||| || ||| || |||: |||: | |||||
Db 61 GKSLEWIGYIDPYNGGTIYNQKFKGKATLTVDKSSSTAFMHLNSLTSEDSAVYYCARG-- 118

Qy 121 GSGYYFDYWGQGTTTLTVSS 139
| |||||
Db 119 GEGYYFDYWGQGTTTLTVSS 137

RESULT 8
US-09-647-468-154
; Sequence 154, Application US/09647468
; Patent No. 6677436
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: ADACHI, HIDEKI
; APPLICANT: YABUTA, NAOHIRO
; TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND
; TITLE OF INVENTION: PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODY
; FILE REFERENCE: 053466/0289
; CURRENT APPLICATION NUMBER: US/09/647,468
; CURRENT FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: PCT/JP99/01768
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: JP 10-91850
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 154
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Amino acid
; OTHER INFORMATION: sequence coding for H chain V region of ant-TF
; OTHER INFORMATION: mouse monoclonal antibody ATR-3
US-09-647-468-154

Query Match 81.3%; Score 616; DB 2; Length 137;
Best Local Similarity 82.7%; Pred. No. 3.3e-56;
Matches 115; Conservative 8; Mismatches 14; Indels 2; Gaps 1;

Qy 1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNHWWKQSH 60
| |||||:|||||:|||||:|||||
Db 1 MEWSWIFLFLLSGTTGVHSEIQLQQSGPELVKPGASVKVSCASGYSFTDYNMYWVKQSH 60

Qy 61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
|| |||||: ||| || ||| || ||: ||: | |||||
Db 61 GKSLEWIGYIDPYNGGTIYNQKFKGKATLTVDKSSSTAFMHLNSLTSEDSAVYYCARG-- 118

Qy 121 GSGYYFDYWGQGTTLTVSS 139
| |||||
Db 119 GEGYYFDYWGQGTTLTVSS 137

RESULT 9

US-08-434-000A-14

; Sequence 14, Application US/08434000A
; Patent No. 6046037
; GENERAL INFORMATION:
; APPLICANT: ANDREW C. HIATT, JULIAN
; APPLICANT: K.-C. MA, THOMAS LEHNER
; TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
; TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/434,000A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below: 1
; APPLICATION NUMBER: 08/367,395

; FILING DATE: 12/30/94
; ATTORNEY/AGENT INFORMATION:
; NAME: Guise, Jeffrey W.
; REGISTRATION NUMBER: 34,613
; REFERENCE/DOCKET NUMBER: 212/127
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 552-8400
; TELEFAX: (619) 552-0159
; TELEX: 67-3510
; TELEX: SEQUENCE LISTING
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 132 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; TOPOLOGY: DESCRIPTION: Guy's 13 Gamma 1
US-08-434-000A-14

Query Match 80.9%; Score 613.5; DB 2; Length 132;
Best Local Similarity 83.5%; Pred. No. 5.7e-56;
Matches 116; Conservative 6; Mismatches 10; Indels 7; Gaps 1;

Qy 1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60
| |:|:||||||||| |||||:|||||||||||||||||
Db 1 MEWTWVFLFLLSGTAGVHSGVQLQQSGPDLVKPGASVKISCKASGYTFTDYNIHVVKQSR 60

Qy 61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
|| ||||| : ||| |:||| |||| :|||||||||
Db 61 GKSLEWIGYIYPYNGNTYYNQKFKNKATLTVDNSSTSAYMELRSLTSEDSAVYYCAT--- 117

Qy 121 GSGYYFDYWQGTTTLTVSS 139
| |||||
Db 118 ----YFDYWQGTTTLTVSS 132

RESULT 10
US-09-312-157-14
; Sequence 14, Application US/09312157
; Patent No. 6303341
; GENERAL INFORMATION:
; APPLICANT: ANDREW C. HIATT, JULIAN
; K.-C. MA, THOMAS LEHNER
; TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
; PROTEINS IN PLANTS AND THEIR USES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street

;
; Suite 4700
;
; CITY: Los Angeles
;
; STATE: California
;
; COUNTRY: U.S.A.
;
; ZIP: 90071
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;
; storage
;
; COMPUTER: IBM Compatible
;
; OPERATING SYSTEM: IBM P.C. DOS 5.0
;
; SOFTWARE: Word Perfect 5.1
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/09/312,157
;
; FILING DATE: 14-May-1999
;
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 08/434,000
;
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Guise, Jeffrey W.
;
; REGISTRATION NUMBER: 34,613
;
; REFERENCE/DOCKET NUMBER: 212/127
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (619) 552-8400
;
; TELEFAX: (619) 552-0159
;
; TELEX: 67-351
;
; SEQUENCE LISTING
;
; INFORMATION FOR SEQ ID NO: 14:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 132 amino acids
;
; TYPE: amino acid
;
; STRANDEDNESS: single
;
; TOPOLOGY: linear
;
; DESCRIPTION: Guy's 13 Gamma 1
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-312-157-14

Query Match 80.9%; Score 613.5; DB 2; Length 132;
Best Local Similarity 83.5%; Pred. No. 5.7e-56;
Matches 116; Conservative 6; Mismatches 10; Indels 7; Gaps 1;

Qy 1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHWVKQSH 60
| |:|:||||||||| |||||:|||||||||||||||||
Db 1 MEWTWVFLFLLSGTAGVHSGVQLQQSGPDLVKPGASVKISCKASGYTFTDYNIHWVKQSR 60

Qy 61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
|| ||||| : ||| |:| ||||| :|||||||||
Db 61 GKSLEWIGYIYPYNGNTYYNQKFKNKATLTVDNSSTSAYMELRSLTSEDSAVYYCAT--- 117

US-09-717-888-14

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; LENGTH: 132 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; DESCRIPTION: Guy's 13 Gamma 1
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:

US-09-717-888-14

Query Match 80.9%; Score 613.5; DB 2; Length 132;
Best Local Similarity 83.5%; Pred. No. 5.7e-56;
Matches 116; Conservative 6; Mismatches 10; Indels 7; Gaps 1;

Qy 1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60
| |:|:||||||||||||| |||||:|||||||||||||||||||||
Db 1 MEWTWVFLFLLSGTAGVHSGVQLQQSGPDLVKPGASVKISCKASGYTFTDYNIHVVKQSR 60

Qy 61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
|| |||||: ||| |:||| ||||| :|||||||||||||||||
Db 61 GKSLEWIGYIYPYNGNTYYNQKFKNKATLTVDNSSTSAYMELRSLTSEDSAVYYCAT--- 117

Qy 121 GSGYYFDYWGQGTTTLTVSS 139
| |||||
Db 118 ----YFDYWGQGTTTLTVSS 132

RESULT 12
US-10-781-989-14
; Sequence 14, Application US/10781989
; Patent No. 7211389
; GENERAL INFORMATION:
; APPLICANT: HIATT, Andrew C.
; APPLICANT: MA, Julian K.-C.
; APPLICANT: LEHNER, Thomas
; TITLE OF INVENTION: METHODS FOR PRODUCING IMMUNOGLOBULINS
; TITLE OF INVENTION: CONTAINING PROTECTION PROTEINS IN PLANTS AND THEIR USE
; FILE REFERENCE: 415142000303
; CURRENT APPLICATION NUMBER: US/10/781,989
; CURRENT FILING DATE: 2004-02-18
; PRIOR APPLICATION NUMBER: 08/434,000
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: 08/367,395
; PRIOR FILING DATE: 1994-12-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Mouse
US-10-781-989-14

Query Match 80.9%; Score 613.5; DB 3; Length 132;
Best Local Similarity 83.5%; Pred. No. 5.7e-56;
Matches 116; Conservative 6; Mismatches 10; Indels 7; Gaps 1;

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Qy      1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60
      | |:|:||||||||||||| |||||:|||||||||||||||||||||
Db      1 MEWTWVFLFLLSGTAGVHSGVQLQQSGPDLVKPGASVKISCKASGYTFTDYNIHVVKQSR 60

Qy     61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
      || |||||: ||| ||:|||| |||| |:|||||||||||||
Db     61 GKSLEWIGYIYPYNGNTYYNQKFKNKATLTVDNSSTSAYMELRSLTSEDSAVYYCAT--- 117

Qy     121 GSGYYFDYWGQGTTTLTVSS 139
      |||||
Db     118 ----YFDYWGQGTTTLTVSS 132
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RESULT 13

US-08-116-778E-1

; Sequence 1, Application US/08116778E

; Patent No. 5830470

; GENERAL INFORMATION:

; APPLICANT: NAKAMURA, KAZUYASU

; APPLICANT: KOIKE, MASAMICHI

; APPLICANT: SHITARA, KENYA

; APPLICANT: HANAI, NOBUO

; APPLICANT: KUWANA, YOSHIHISA

; APPLICANT: HASEGAWA, MAMORU

; TITLE OF INVENTION: HUMANIZED ANTIBODIES

; NUMBER OF SEQUENCES: 49

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NIXON & VANDERHYE P.C.

; STREET: 1100 NORTH GLEBE ROAD

; CITY: ARLINGTON

; STATE: VIRGINIA

; COUNTRY: U.S.A.

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/116,778E

; FILING DATE: 07-SEP-93

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: WILSON, MARY J.

; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 249-59
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 139 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: -19..-1
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN
; IDENTIFICATION METHOD: ESTABLISHED CONSENSUS
; FEATURE:
; NAME/KEY: domain
; LOCATION: 31..35
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"
; FEATURE:
; NAME/KEY: domain
; LOCATION: 50..66
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
; FEATURE:
; NAME/KEY: domain
; LOCATION: 99..109
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"

US-08-116-778E-1

Query Match 79.7%; Score 604; DB 1; Length 139;
Best Local Similarity 82.7%; Pred. No. 5.9e-55;
Matches 115; Conservative 6; Mismatches 18; Indels 0; Gaps 0;

Qy	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYN	IHWVKQSH	60
			:	
Db	1	MGWSWIFLFLLSGTAGVLSEVQLQQSGPELVKPGASVKISCKASGYTFTDYN	MDWVKQSH	60
Qy	61	GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDS	AVYYCARWDF	120

Db 61 GKSLEWIGYIYPNNGGTGYNQKFKSKATLTVDKSSSTAYMELHSLTSEDSAVYYCATYGH 120
Qy 121 GSGYYFDYWGQGTTLTVSS 139
Db 121 YGYMFAYWGQGTTLTVSA 139

RESULT 14

US-08-438-562-1

; Sequence 1, Application US/08438562
; Patent No. 5874255
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KUWANA, YOSHIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,562
; FILING DATE: 10-MAY-95
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/116,778
; FILING DATE: 07-SEP-93
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 249-76
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 1:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 139 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: -19..-1
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN
; IDENTIFICATION METHOD: ESTABLISHED CONSENSUS
; FEATURE:
; NAME/KEY: domain
; LOCATION: 31..35
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"
; FEATURE:
; NAME/KEY: domain
; LOCATION: 50..66
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
; FEATURE:
; NAME/KEY: domain
; LOCATION: 99..109
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
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US-08-438-562-1

Query Match 79.7%; Score 604; DB 1; Length 139;
Best Local Similarity 82.7%; Pred. No. 5.9e-55;
Matches 115; Conservative 6; Mismatches 18; Indels 0; Gaps 0;

Qy	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYN	IHWVKQSH	60
Db	1	MGWSWIFLFLLSGTAGVLSEVQLQQSGPELVKPGASVKISCKASGYTFTDYN	MDWVKQSH	60
Qy	61	GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDS	AVYYCARWDF	120
Db	61	GKSLEWIGYIYPNNGGTGYNQKF	SKATLTVDKSSSTAYMELHSLTSEDS	AVYYCATYGH 120
Qy	121	GSGYYFDYWGQGTTTLTVSS		139
Db	121	YGYMFAYWGQGT	LVTVSA	139

RESULT 15

US-08-483-528B-91

; Sequence 91, Application US/08483528B

; Patent No. 5939532

; GENERAL INFORMATION:

; APPLICANT: NAKAMURA, KAZUYASU

; APPLICANT: KOIKE, MASAMICHI

; APPLICANT: SHITARA, KENYA

; APPLICANT: HANAI, NOBUO

; APPLICANT: KUWANA, YOSHIHISA

; APPLICANT: HASEGAWA, MAMORU

; TITLE OF INVENTION: HUMANIZED ANTIBODIES

; NUMBER OF SEQUENCES: 103

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NIXON & VANDERHYE P.C.

; STREET: 1100 NORTH GLEBE ROAD

; CITY: ARLINGTON

; STATE: VIRGINIA

; COUNTRY: U.S.A.

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/483,528B

; FILING DATE: 07-JUN-95

; CLASSIFICATION: 536

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)816-4000

; TELEFAX: (703)816-4100

; INFORMATION FOR SEQ ID NO: 91:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 139 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; FEATURE:

; NAME/KEY: sig_peptide

; LOCATION: -19..-1

; IDENTIFICATION METHOD:

; IDENTIFICATION METHOD: BY SIMILARITY WITH KNOWN SEQUENCE OR TO AN

; IDENTIFICATION METHOD: ESTABLISHED CONSENSUS

; FEATURE:

; NAME/KEY: domain

; LOCATION: 31..35

Query Match 79.7%; Score 604; DB 1; Length 139;
Best Local Similarity 82.7%; Pred. No. 5.9e-55;
Matches 115; Conservative 6; Mismatches 18; Indels 0; Gaps 0;

Qy	1	MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYN	IHWVKQSH	60
			:	
Db	1	MGWSWIFLFLLSGTAGVLSEVQLQQSGPELVKPGASVKISCKASGYTFTDYN	MDWVKQSH	60
Qy	61	GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDS	AVYYCARWDF	120
			:	
Db	61	GKSLEWIGYIYPNNGGTGYNQKFKSKATLTVDKSSSTAYMELHSLTSEDS	AVYYCATYGH	120
Qy	121	GSGYYFDYWGGTTTLTVSS		139
			:	
Db	121	YGYMFAYWGGTLTVTVSA		139

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